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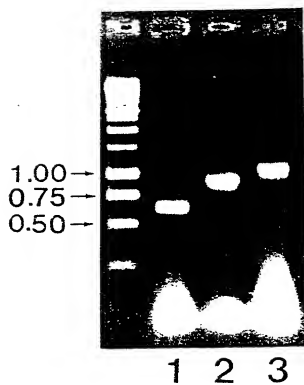


FIG. 2

FIG. 3A

Rot H35 cell FucT	44	LOORIVKLOPLSEKELPMITQISSGNTSEPLMRROSECHNGCEL
Human Sec2	60	MLWOMPFSEFPAHFTLVFVTWSTIFHVOQLAKIQAMMELPVQIPVLASTSKALGPSQL
Rot H35 cell FucT	104	RCMFTINSICRLGNQNGEYATLALARMNGRLAFIPASMINNALAPITFRISLPVLHSDIAK
Human Sec2	120	RCMWTINATRLGNQNGEYATLALAKINGRPAFTPAQMWISTLAPITFRITLPLVLSATAS
Rot H35 cell FucT	163	KIPQNYHLNDWMEERYRHP-GHFVRF TGYPCSWTFYHHLRPEILKEFTLHDHWREEAQ
Human Sec2	180	RIPQNYHLNDWMEERYRHPCEYVRF TGYPCSWTFYHHLRQETLQETLHDHWREEAQ
Rot H35 cell FucT	223	AFRLRLRVNGSOPSTFGVHVRRGCDYHMPWMLQWADRGYLEKALDMFRARYSSPVF
Human Sec2	240	KFLRLQLVNGSRPCTFGVHVRRGCDYHMPKVMILGWADRRYLQOALDMFRARYSSLIF
Rot H35 cell FucT	283	WTSNGMANCRENINASGCDWFAAGNGIEGSPAKDFALLTCQNTIMTIGIFGIWAAYLA
Human Sec2	300	WTSNGMANCRENIDTSHCDWFAAGNGIEGSPAKDFALLTCQNTIMTIGIFGIWAAYLA
Rot H35 cell FucT	343	GGDTLYLANLYTLPOSFPLKVFKEPAFLPEWNGIPADLSPLLKALTPACPRSHFLKANG
Human Sec2		GGDTLYLANLYTLPOSFPLKIFKEPAFLPEWTGIAADLSPLLKH
Rot H35 cell FucT		VTCYWAGRAF

FIG.3B

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1 2 3 4

FIG. 4

A T G C C C A G C C C C A G S T A C C T T T C T G C T T G C C T C T G S C C C A C T A C C T C A T C T T G T G T C T G S T A C C A C A C A T C A C C A  
 M A S A Q V P F S F P L A H F L I F V F V T S T I I H  
 C C C T C C A C C A G C C A A T A G T G A M C C T C C A A C C C C T G C C A G A A G C A M T T A C C A T G A G C A C T C A A A T G T C T C G S G A A A C A C A A A G C C A G A T A T C G A A C G S G A C A G C  
 L Q Q R I V K L Q P L S E K E L P M T T I Q M S S G N T E S P E M R R D S  
 A C A G A C A G C A T G S G A A T G S A G A G C T G C G S G G C A T G T C A C G A T C A A T T C C A T T G C C G C C T G C G S A A C C A G A T A C C G C C A A T A G C C A C A C T T T T G C A C T T G C C A G A T G  
 E Q H G N G E L R G M F T I N S I G R L G N Q M G E Y A T L F A L F A A R M T  
 A A C C G A C G S C T T G C G T T C A T C C C G C G A T C C A T G C A C A G C C C T A G C G C C A T C T T G A G A T A G C C T C C C G G T G T T A C A C A G S G A C A C G C C A A A A G A T C C C A T G  
 N G R L A F I P A S M H N A L A P I F R I S L P V L H S D T A K K I P W  
 C A G A A T A C C A T C T C A C A G C A T G C A A G A G G T T A C C G C C A A T C C G S G A C A T T T G C C C T T C A C G G C A T A C C C G T C C T G C A C T T G A C C A C C A C C T G  
 Q N Y H L N D W M E E R Y R H I P C G H F V R F T G Y P C S W T F Y H H L  
 C G C C C A C A G A A T C C T G A A G A G A G T T C A C C C T C C A C A C A C A G C T G C G S G A G C C A G G C C A G G C C T G C T G C G T G S T G C T G C C G G T G A A T G S G A C C A C C A G A C T T T G T G  
 R P E I L K E F T L H D H V R E A Q A F L R G L R V N G S Q P S T F V  
 G S T T C C A T G T G C C C C A G S G A C A T G T C A T G C T A A T G T G C A A G C G C G T T A C C T G A C C G G G T A C C T G G A A A G C C C T G C A T A T G T T C C C G G C A  
 C V H V R R G C D Y V V H V M P N V W K G V V A D R G Y L E K A L D M F R A  
 T G C C T A T C A T C T C C A G T C T T G T G T T A C A G A A G C G S T A T C C T G C T G C G S G A C A C A T A T A T C T T C C C G A G A C A G T G G T G C T G C C G C C A A T G C T A T G A T G A C  
 R Y S S P V V V T S N G M A W C R E N I N A S R C D V V F A G N G I E  
 G C G T T C C C A G C C A G C A C T T C C G C C T G C T C A C C A G T C A A C C A C C A C C A T A C A T G A C T A T T G S G A C T T T G S G A C T T T G S G A C T T G C C A G C T G G T G A T A C C A T  
 G S P A K D F A L L T Q C N H T I M T I G T F G I W A Y L A G G D T I  
 T A C T T A G C C A C T A C A C C T T C C G G A T C T C G G T T C C T C A A G T C T T T A G C C A G A G C A G G C T T C C T A G C C A A T G G G T G G C A T C C C T C C C A C T G T T C C C A C T  
 Y L A N Y T L P D S P F L K V F K P E A A F L P E W V G I P A D L S P L  
 C T T A A G G C A T A A C C A G G C T G C C T G C C T C C A C T C C A A G C C A A A G G A G T A C T T G T A G C T C C C A G A G A G C C T T C T A T G C C A A  
 Y A T I P A C P R S H F H I K A K G V T C Y V A G A R A F

Fig. 5

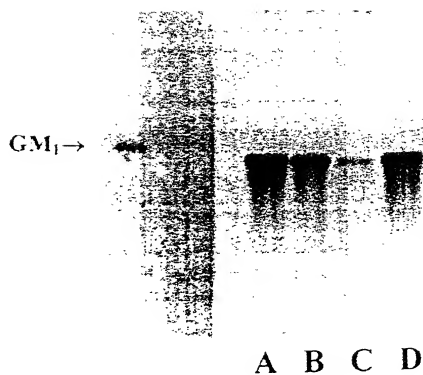


FIG. 6

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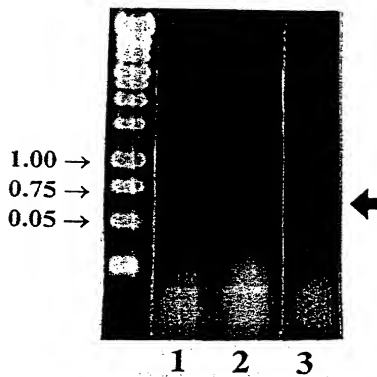


FIG. 7



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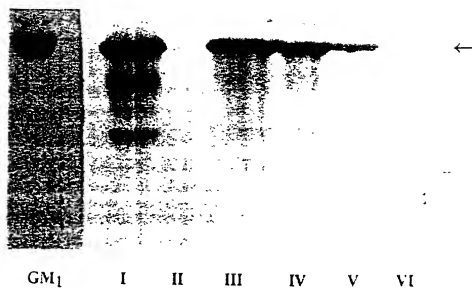


FIG. 8A

	<u>cpm - background</u>	<u>% initial activity</u>
I	19,832	100
II	0	0
III	6,726	34
IV	4,917	25
V	1,043	5.3
VI	104	0.52

FIG. 8B

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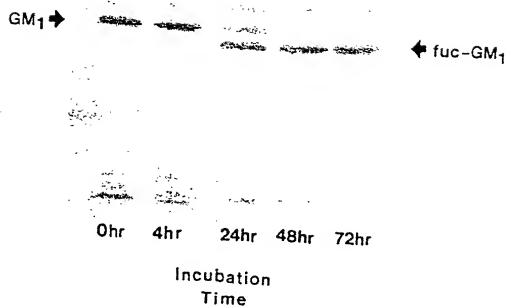


FIG. 9